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Subject: Re: first try with fast simulation problem  
Posted by [Alexandros](#) on Tue, 22 Apr 2014 08:58:42 GMT  
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I changed my code in the new form:

```
// *** some variables
int i=0,j=0, k=0, l=0;
//gStyle->SetOptFit(1011);

// *** the output file for FairRunAna
TString OutFile="psi4160_out.root";

// *** initialization
FairLogger::GetLogger()->SetLogToFile(kFALSE);
FairRunAna* fRun = new FairRunAna();
fRun->SetWriteRunInfoFile(kFALSE);
fRun->SetInputFile(InFile);
fRun->SetOutputFile(OutFile); // only dummy; the real output is psi4160.root
fRun->Init();

// *** take constant field; needed for PocaVtx
RhoCalculationTools::ForceConstantBz(20.0);

// *** create an output file for all histograms
TFile *out = TFile::Open("psi4160.root", "RECREATE");

// *** create some ntuples
RhoTuple *npsi4160 = new RhoTuple("npsi4160", "psi4160 analysis");
RhoTuple *nd0 = new RhoTuple("nd0", "d0 analysis");
RhoTuple *nantid0 = new RhoTuple("nantid0", "antid0 analysis");
RhoTuple *nmc = new RhoTuple("nmc", "mctruth info");

//
// Now the analysis stuff comes...
//

// *** the data reader object
PndAnalysis* theAnalysis = new PndAnalysis();
if (nevt==0) nevt= theAnalysis->GetEntries();

// *** name of the only PidAlgo TClonesArray in fsim
TString pidalg = "PidChargedProbability";

// *** QA tool for simple dumping of analysis results in RhoRuple
PndRhoTupleQA qa(theAnalysis, pbarmom);

// *** RhoCandLists for the analysis
RhoCandList psi4160, d0, antid0, kplus, kminus, pplus, pminus, all, mclist;

// *** Mass selector for the d0 cand
double m0_d0 = TDatabasePDG::Instance()->GetParticle("D0")->Mass(); // Get nominal
```

PDG mass of the D0/anti-D0

```
RhoMassParticleSelector *d0MassSel=new RhoMassParticleSelector("d0",m0_d0,1.0);
```

```
// *** the lorentz vector of the initial psi(4160)
```

```
TLorentzVector ini(0, 0, 8.000, 9.016);
```

```
// ***
```

```
// the event loop
```

```
// ***
```

```
while (theAnalysis->GetEvent() && i++<nevt)
```

and so on, but now it gives me an error saying:

```
-I- FairRunTimeDB::InitContainer() FairBaseParSet
```

```
[ERROR ] init() FairBaseParSet not initialized
```

```
-I- FairRunTimeDB::InitContainer() ANAPidSelections
```

```
[ERROR ] init() ANAPidSelections not initialized
```

```
Error in <FairRuntimeDb::initContainers(>: Error occured during initialization
```

```
[INFO ] The number of entries in chain is 10000
```

```
*** Break *** segmentation violation
```

Do you have any idea of what is wrong???

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